

ABSTRACT OF THE DISCLOSURE

A process executing method capable of performing multiprocessing by using a shared resource without impairing periodical drivability of processes designed for executing continuous media processing. When a process requests the use of the shared resource, abortion of that process is first disabled by the process itself by using an abort disable function and then preemption of the same process is disabled by means of a preempt control module, whereupon the process enters a processing executed by using the shared resource. Upon completion of the processing for the shared resource, the process is immediately set to a preempt-enabled state by means of a preempt control module. After completion of all the processings, the abort-disabled state is finally cleared by using a disabled-abort clear function. Upon occurrence of forcive termination of a process in the abort-disabled state thereof, execution of this process is continued until the abort-disabled state is cleared, and the process is terminated forcibly after the abort-disabled state has been cleared.

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